

Dissipation and Off-site Movement of Aerially Applied Forestry Herbicides

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Plant Monitoring

Spring 2000: Two dissipation sampling sites

Beargrass

One off-site sampling site

Beargrass

Fall 2000: Two dissipation sampling sites

Yarrow

Huckleberry

Manzanita

Two off-site sampling sites

Beargrass

Huckleberry

Yarrow

Off-Site Movement Sampling

Spring 2000

Site P: Application area is 225 acres

Triclopyr and 2,4-D

Beargrass

Fall 2000

Site Q: Application area is 35 acres

Triclopyr and 2,4-D

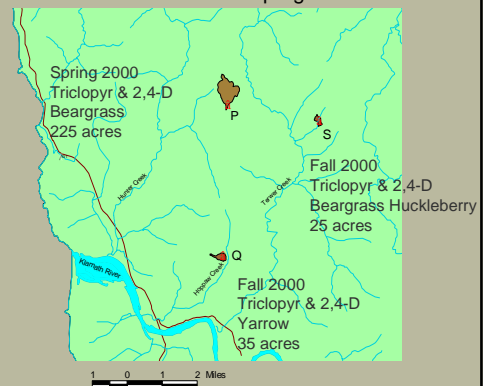
Yarrow

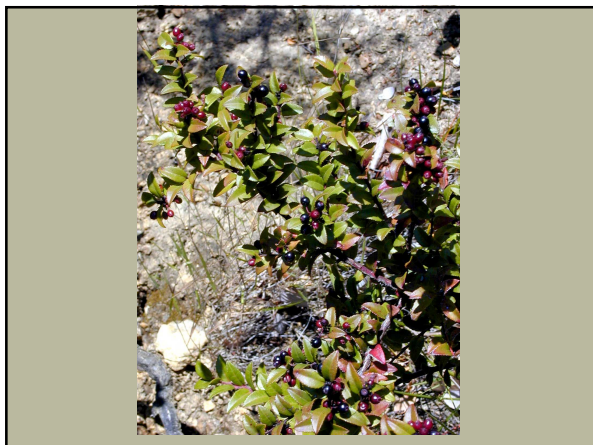
Site S: Application area 25 acres

Triclopyr and 2,4-D

Beargrass and Huckleberry

Off-site Movement Sampling Sites





Results of sampling for off-site movement

Site	Plant Type	Distance (feet)	# of Samples	Triclopyr (ppm)	2,4-D (ppm)
P	Beargrass	121	1	ND ^a	ND ^a
		210	1	ND	ND
Q	Beargrass	185 – 215	3	ND	ND
		220 – 240	3	ND	ND
		250 – 285	3	ND	ND
		185 – 210	3	ND ^a	ND ^a
	Huckleberry	220 – 235	3	ND	ND
S	Yarrow	245 – 260	3	ND	ND
		20 – 23	3	ND ^b – 0.24	ND ^b – 0.20
		100 – 150	4	ND	ND

^ano detectable amount. MDL is 0.05 ppm

^bno detectable amount. MDL is 0.10 ppm

Dissipation Sampling

Spring 2000

Site N: Application area is 25 acres
Triclopyr and 2,4-D
Beargrass

Site O: Application area is 66 acres
Triclopyr and 2,4-D
Beargrass

Fall 2000

Site R: Application area is 116 acres
Triclopyr and 2,4-D
Yarrow and Huckleberry

Site T: Application area is 45 acres
Triclopyr and 2,4-D
Manzanita

